

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SOLIFF & BERRIDGE, PLC **ም**.O. Box 19928 Alexandria, Virginia 22320 Felephone: (703) 836-6400 Facsimile: (703) 836-2787

Customer Number: 25944

Alexandria, VA 22313-1450

Commissioner for Patents

Attorney Docket No.: 117031

Date: September 4, 2003

MAIL STOP PATENT APPLICATION

NONPROVISIONAL APPLICATION TRANSMITTAL **RULE §1.53(b)**

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Fransmitted herewith for	r filing under 37	C.F.R. §1.	.53(b) is the nor	nprovisional	patent application
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For (Title):

P.O. Box 1450

WIRING BOARD, METHOD OF MANUFACTURING THE SAME, SEMICONDUCTOR

		DEVICE, CIRCUIT BOARD, AND ELECTRONIC EQUIPMENT
By (I	ventors):	Terunao HANAOKA
	Use Figure A Declaration a This application (A Preliminary of the Execute An Information Entitlement to s A Preliminary of the Priority of forei A certified This application	s (Figs. 1-10; 4 sheets) are attached for front page of Publication. nd Power of Attorney is filed herewith. claims benefit of Provisional Application No filed Amendment is attached to reflect this claim in the Specification if not already present.) ication is assigned to SEIKO EPSON CORPORATION. ed Assignment is filed herewith. Disclosure Statement is filed herewith. mall entity status is hereby asserted. Amendment is filed herewith. Ign application No. 2002-298324 filed October 11, 2002 in JAPAN is claimed (35 U.S.C. §119). Copy of the above corresponding foreign application is filed herewith. Is NOT to be published under 35 U.S.C. 112(b). The undersigned attorney or agent hereby certifies that is closed in this application has not been and will not be the subject of an application filed in anothe
\boxtimes	country, or unde	er a multilateral international agreement, that requires publication at eighteen months after filing. calculated below:

CLAIMS IN THE APPLICATION AFTER ENTRY OF ANY PRELIMINARY AMENDMENT NOTED ABOVE

FOR:	NO. FILED	NO. EXTRA				
BASIC FEE	: .	,				
TOTAL CLAIMS	21 - 20	= 1				
INDEP CLAIMS	2 - 3	= 0				
☐ MULTIPLE DEPENDENT CLAIMS PRESENTED						

SMALL ENTITY						
RATE	FEE	<u>OR</u>				
	\$ 375	<u>OR</u>				
x 9=	\$	<u>OR</u>				
x 42 =	\$	<u>OR</u>				
+ 140 =	\$	<u>OR</u>				
TOTAL	\$	<u>OR</u>				

OTHER THAN A **SMALL ENTITY**

RATE	FEE
	\$ 750
x 18	\$ 18
x 84	\$
+ 280	\$
TOTAL	\$ 768

 \boxtimes Check No. 145867 in the amount of \$768 to cover the filing fee is attached. Except as otherwise noted herein, the Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

Respectfully submitted,

Registration No. 2

Joel S. Armstrong Registration No. 36,430

^{*} If the difference is less than zero, enter "0".

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OLIFF & BERRIDGE, P.P.O. Box 19928	rc			Attorney Do	cket No.:	_117031	
Alexandria, Virginia					Date:	Septembe	r 4, 2003
Telephone: (703) 836- Facsimile: (703) 836-2			MAIL ST	OP PATEN	T APPLI	CATION	
Customer Number:	25944	NON	PROVISION	AL APPLIO RULE §1		TRANSMI	TTAL
Commissioner for Pater P.O. Box 1450 Alexandria, VA 22313				KOLE 91	.55(b)		
Sir:							
Transmitted herewith for	or filing under 37 (C.F.R. §1.53(b) is the not	nprovisional p	atent applica	ation		
For (Title):	WIRING BOAR	D, METHOD OF MANU	JFACTURING	G THE SAM	IE, SEMI	CONDUCTO	OR
	DEVICE, CIRC	JIT BOARD, AND ELE	CTRONIC EC	UIPMENT			
By (Inventors):	Terunao HANA	OKA					
Formal drawings (Figs. 1-10; 4 sheets) are attached. Use Figure for front page of Publication. A Declaration and Power of Attorney is filed herewith. This application claims benefit of Provisional Application No filed (A Preliminary Amendment is attached to reflect this claim in the Specification if not already present.) This patent application is assigned to SEIKO EPSON CORPORATION. The executed Assignment is filed herewith. An Information Disclosure Statement is filed herewith. Entitlement to small entity status is hereby asserted. A Preliminary Amendment is filed herewith. Priority of foreign application No. 2002-298324 filed October 11, 2002 in JAPAN is claimed (35 U.S.C. §119). A certified copy of the above corresponding foreign application is filed herewith. This application is NOT to be published under 35 U.S.C. 112(b). The undersigned attorney or agent hereby certifies that the invention disclosed in this application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing. The filing fee is calculated below: CLAIMS IN THE APPLICATION AFTER ENTRY OF ANY PRELIMINARY AMENDMENT NOTED ABOVE SMALL ENTITY SMALL ENTITY							
FOR:	NO. FILED	NO. EXTRA	RATE	FEE	<u>OR</u>	RATE	FEE
BASIC FEE		` .		\$ 375	<u>OR</u>		\$ 750
TOTAL CLAIMS	21 - 20	= 1	x 9=	\$	<u>OR</u>	x 18	\$ 18
INDEP CLAIMS	2 - 3	= 0	x 42 =	\$	<u>OR</u>	x 84	\$
MULTIPLE DEPI	ENDENT CLAIMS	PRESENTED	+ 140 =	\$	<u>OR</u>	+ 280	\$
* If the difference is		TOTAL	\$	<u>OR</u>	TOTAL	\$ 768	
Commissioner i	is hereby authorize	of \$768 to cover the filing to charge any other feet	s that may be	required to o	complete t	this filing, or	

Respectfully submitted,

James A. Oliff Registration No. 27,075

Joel S. Armstrong Registration No. 36,430

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320				Attorney Do			er 4. 2003	
Telephone: (703) 836-6400 Facsimile: (703) 836-2787			Date: September 4, 2003 MAIL STOP PATENT APPLICATION					
Customer Number:	25944	NO	NP	ROVISION	AL APPLIC		TRANSMI	TTAL
Commissioner for Pate P.O. Box 1450 Alexandria, VA 22313								
Sir:								
Transmitted herewith f	or filing under 37	C.F.R. §1.53(b) is the	nonj	provisional p	atent applica	ation		
For (Title):		RD, METHOD OF MA UIT BOARD, AND E					CONDUCT	OR
By (Inventors):	Terunao HANA	OKA						
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FOR:	NO. FILED	NO. EXTRA		RATE	FEE	<u>OR</u>	RATE	FEE
BASIC FEE					\$ 375	<u>OR</u>		\$ 750
TOTAL CLAIMS	21 - 20	= 1		x 9=	\$	<u>OR</u>	x 18	\$ 18
INDEP CLAIMS	2 - 3	= 0		x 42 =	\$	<u>OR</u>	x 84	\$
MULTIPLE DEP				+ 140 =	\$	<u>OR</u>	+ 280	\$
* If the difference is less than zero, enter "0".				TOTAL	s	OR	TOTAL	\$ 768

Check No. 145867 in the amount of \$768 to cover the filing fee is attached. Except as otherwise noted herein, the Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

Respectfully submitted,

Janles A. Oliff
Registration No. 27,075

Joel S. Armstrong Registration No. 36,430

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